

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	11	line and signal and generator and (wellbore or oilwell or borehole or drill same pipe) and diagnos\$5 same communication	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 18:39
L2	9	Diagnostic\$3 same (wellbore or downhole) same communication	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 16:56
L3	50	wire\$3 same drill same pipe same telemetry	US-PGPUB; USPAT	OR	ON	2005/04/28 16:57
L4	49	wire\$3 same drill same pipe same telemetry and ((bore adj hole) or borehole or downhole)	US-PGPUB; USPAT	OR	ON	2005/04/28 16:58
L5	7	wire\$3 same drill same pipe same telemetry and ((bore adj hole) or borehole or downhole) and fault	US-PGPUB; USPAT	OR	ON	2005/04/28 16:59
L6	8	wire\$3 same drill same pipe same telemetry and ((bore adj hole) or borehole or downhole) and fault	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 17:12
L7	21	(wellbore or drill same string) same fault same detection and ((bore adj hole) or borehole or downhole) and fault	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 18:07
L8	19	(wellbore or drill adj string) same fault same detection and ((bore adj hole) or borehole or downhole) and fault	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 17:13
L9	19	(wellbore or drill with string) same fault same detection and ((bore adj hole) or borehole or downhole) and fault	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 17:13
L10	4	wired with ((drill with pipe) or (drill same string)) and diagnostic and fault and telemetry	US-PGPUB; USPAT	OR	ON	2005/04/28 18:12

L11	4	wired same ((drill with pipe) or (drill same string)) and diagnostic and fault and telemetry	US-PGPUB; USPAT	OR	ON	2005/04/28 18:12
L12	4	wired and ((drill with pipe) or (drill same string)) and diagnostic and fault and telemetry	US-PGPUB; USPAT	OR	ON	2005/04/28 18:43
L13	4	wired and ((drill same pipe) or (drill same string)) and diagnostic and fault and telemetry	US-PGPUB; USPAT	OR	ON	2005/04/28 18:13
L14	5	wired and ((drill and pipe) or (drill and string)) and diagnostic and fault and telemetry	US-PGPUB; USPAT	OR	ON	2005/04/28 18:32
L15	8	((drill and pipe) or (drill and string)) and diagnostic and fault and telemetry	US-PGPUB; USPAT	OR	ON	2005/04/28 18:14
L16	9	((drill and pipe) or (drill and string)) and diagnostic and fault and telemetry	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 18:36
L17	6	wired and ((drill and pipe) or (drill and string)) and diagnostic and fault and telemetry	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 18:29
L18	7	("6041872" "4271908" "5171524" "4739276" "5719503" "5784338" "4605065").pn.	US-PGPUB; USPAT	OR	ON	2005/04/28 18:31
L19	14	wired and ((drill and pipe) or (drill and string)) and fault and telemetry	US-PGPUB; USPAT	OR	ON	2005/04/28 18:32
L20	15	wired and ((drill and pipe) or (drill and string)) and fault and telemetry	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 18:33
L21	170	wired and ((drill and pipe) or (drill and string)) and telemetry	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 18:33
L22	170	wired and ((drill and pipe) or (drill and string)) and telemetry	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 18:34

L23	0	I22 and signal and impedance and analyzer and wpd and line	US-PGPUB; USPAT	OR	ON	2005/04/28 18:36
L24	4	I22 and signal and impedance and analyzer and line	US-PGPUB; USPAT	OR	ON	2005/04/28 18:35
L25	0	I22 and wpd and line	US-PGPUB; USPAT	OR	ON	2005/04/28 18:36
L26	140	wpd and line	US-PGPUB; USPAT	OR	ON	2005/04/28 18:36
L27	2	((drill and pipe) or (drill and string)) and wpd and line	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 18:37
L28	0	wellbore and wpd and line	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 18:37
L29	229	wpd and line	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 18:38
L30	0	wpd and line and drill same string	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 18:38
L31	1	wpd and drill same string	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 18:38
L32	11	line and signal and generator and (wellbore or oilwell or borehole or (drill same string)) and diagnos\$5 same communication	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 18:39
S1	2	"20040217880" "20050046591"	US-PGPUB; USPAT	OR	ON	2005/04/19 16:04
S4	4	Diagnostic\$3 same downhole same communication	US-PGPUB; USPAT	OR	ON	2005/04/19 16:08
S5	5	Diagnostic\$3 same (wellbore or downhole) same communication	US-PGPUB; USPAT	OR	ON	2005/04/28 16:35

S6	0	diagnostic and telemetry and downhole same drill\$3 and wpd and wpd same telemetry	US-PGPUB; USPAT	OR	ON	2005/04/19 16:13
S7	0	diagnostic and telemetry and downhole same drill\$3 and wpd same telemetry	US-PGPUB; USPAT	OR	ON	2005/04/19 16:14
S8	0	diagnostic and telemetry and downhole same drill\$3 and wpd and telemetry	US-PGPUB; USPAT	OR	ON	2005/04/19 16:14
S9	0	diagnostic and telemetry and downhole and drill\$3 and wpd and telemetry	US-PGPUB; USPAT	OR	ON	2005/04/19 16:14
S10	0	telemetry and downhole and drill\$3 and wpd	US-PGPUB; USPAT	OR	ON	2005/04/19 16:15
S11	1781	telemetry and downhole and drill\$3	US-PGPUB; USPAT	OR	ON	2005/04/19 16:15
S12	73	diagnostic and telemetry and downhole and drill\$3	US-PGPUB; USPAT	OR	ON	2005/04/19 16:16
S13	33	wpd same line	US-PGPUB; USPAT	OR	ON	2005/04/19 16:16
S14	4	wpd same line and signal same generator	US-PGPUB; USPAT	OR	ON	2005/04/19 16:16
S15	0	wpd same line and signal same generator and analyzer	US-PGPUB; USPAT	OR	ON	2005/04/19 16:17
S16	0	wpd same line and signal and generator and analyzer	US-PGPUB; USPAT	OR	ON	2005/04/19 16:17
S17	0	wpd and line and signal and generator and analyzer	US-PGPUB; USPAT	OR	ON	2005/04/19 16:17
S18	0	wpd and line and signal and generator and (wellbore or oilwell or borehole or drill same pipe)	US-PGPUB; USPAT	OR	ON	2005/04/19 16:18
S19	2228	line and signal and generator and (wellbore or oilwell or borehole or drill same pipe)	US-PGPUB; USPAT	OR	ON	2005/04/19 16:20
S20	1	line and signal and generator and (wellbore or oilwell or borehole or drill same pipe) and wdp	US-PGPUB; USPAT	OR	ON	2005/04/19 16:18
S21	7	line and signal and generator and (wellbore or oilwell or borehole or drill same pipe) and impedance same analyzer	US-PGPUB; USPAT	OR	ON	2005/04/19 16:19
S22	0	line and signal and generator and (wellbore or oilwell or borehole or drill same pipe) and diags same communication	US-PGPUB; USPAT	OR	ON	2005/04/19 16:21

S23	11	line and signal and generator and (wellbore or oilwell or borehole or drill same pipe) and diagnos\$5 same communication	US-PGPUB; USPAT	OR	ON	2005/04/28 16:20
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	U	1	Document ID	Issue Date	Pages
1		X	US 20050046591 A1	20050303	23
2	X		US 20050024231 A1	20050203	30
3	X	X	US 20040217880 A1	20041104	21
4	X		US 20030168257 A1	20030911	13

	Title	Current OR	Current XRef
1	METHOD AND APPARATUS FOR PERFORMING DIAGNOSTICS ON A DOWNHOLE COMMUNICATION SYSTEM	340/855.2	
2	Apparatus and methods for self-powered communication and sensor network	340/854.4	
3	METHOD AND APPARATUS FOR PERFORMING DIAGNOSTICS IN A WELLBORE OPERATION	340/854.9	
4	Realtime control of a drilling system using the output from combination of an earth model and a drilling process model	175/24	175/40